

**AMENDMENTS TO THE CLAIMS**

1. (Currently amended) A process for isomerizing cis-2-pentenenitrile to trans-3-pentenenitrile in the presence of aluminum oxide as a catalyst, wherein the aluminum oxide has a BET surface area of at least 50 m<sup>2</sup>/g and the reaction is carried out at a ~~temperature~~ temperature in the range of from 50°C to 250°C.
2. (Original) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at least 70 m<sup>2</sup>/g.
3. (Original) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at most 400 m<sup>2</sup>/g.
4. (Currently amended) The process according to ~~any of claims 1 to 3~~ claim 1, wherein the isomerization is carried out in the liquid phase.
5. (Currently amended) The process according to ~~any of claims 1 to 4~~ claim 1, wherein the reaction is carried out at a temperature of at least 120°C and at most 200°C.
6. (New) The process according to claim 2, wherein the isomerization is carried out in the liquid phase and the aluminum oxide has a BET surface area of at most 400 m<sup>2</sup>/g.
7. (New) The process according to claim 6, wherein the reaction is carried out at a temperature of at least 120°C and at most 200°C.
8. (New) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at least 100 m<sup>2</sup>/g.
9. (New) The process according to claim 1, wherein the aluminum oxide has a BET surface area of at most 300 m<sup>2</sup>/g.
10. (New) The process according to claim 7, wherein the aluminum oxide has a BET surface area of at least 100 m<sup>2</sup>/g and at most 300 m<sup>2</sup>/g.